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(54) **PROCESS FOR FLUORINATING COMPOUNDS**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days. days.

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(21) Appl. No.: **14/539,613**

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(65) **Prior Publication Data**

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(51) **Int. Cl.**
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CPC **C07B 39/00** (2013.01); **C07D 213/79** (2013.01); **C07D 213/803** (2013.01)

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(58) **Field of Classification Search**
None
See application file for complete search history.

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(57) **ABSTRACT**

Methods of preparing a fluorinated aryl or heteroaryl substrate by combining a quaternary ammonium cyanide and an aryl or heteroaryl substrate substituted with at least one chloro, bromo, sulfonyl, or nitro group to thereby provide a mixture, and combining the mixture with hexafluorobenzene to thereby provide the fluorinated substrate.